



## Rio Grande Water Conservation District

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Protecting & Conserving San Luis Valley Water

Date: 1/2/2024

RE: Subdistrict No. 1 Replacement Water Accounting for the month of December, 2023.

Dear Mr. Cotten,

The following is the Subdistrict No. 1 Replacement Water Accounting for the month December of 2023. As per the Terms and Condition No. 8 of the 2023 Annual Replacement Plan (ARP) Approval for Special Improvement Subdistrict No. 1 of the Rio Grande Water Conservation District document received from Colorado State Engineer Kevin Rein May 1, 2023, this data will be broken down to include the following: Subdistrict diversions, depletions, replacement sources and river calls on a monthly basis.

### Synopsis of December 2023 Replacement Water Operations:

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of December on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2023 ARP. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (-211.9 AF) to offset Stream Reach 2 depletions (59.7 AF) and Stream Reach 3 depletions (5.3 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-146.9 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during December 2023. Detailed accounting for daily administration can also be found on the Rio Grande Water Conservation District's website (<http://rgwcd.org>) under Subdistrict No. 1 Annual Replacement Plan.

**Table 1:** Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. **December 2023 Depletion Obligation Total:** 59.7 ac-ft to Stream Reach 2 & 5.3 ac-ft to Stream Reach 3; **December 2023 Replacement Operation Total:** Use of 65.0 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (146.9 ac-ft of Stream Reach 1 accretions leftover).

**Table 2:** District 20 Rio Grande River Call for December 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 1**

<i>Date</i>	<i>Depletion Obligation</i>				<i>SD #1 Replacement Water Sources</i>				
<b>December 2023</b>	<b>SR-1 Ac-ft.</b>	<b>SR-2 Ac-ft.</b>	<b>SR-3 Ac-ft.</b>	<b>Total Accretions left from SR-1(Ac-ft.)</b>	<b>SR-1 Accretion Exchange to SR-2 (Ac-ft.)</b>	<b>SR-1 Accretion Exchange to SR-2 (cfs)</b>	<b>SR-1 Accretion Exchange to SR-3 (Ac-ft.)</b>	<b>SR-1 Accretion Exchange to SR-3 (cfs)</b>	<b>Total Replacement (AF)</b>
<b>2023 ARP for December 2023</b>	<b>-211.9</b>	<b>59.7</b>	<b>5.3</b>	<b>-146.90</b>	<b>59.7</b>		<b>5.3</b>		
1	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
2	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
3	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
4	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
5	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
6	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
7	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
8	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
9	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
10	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
11	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
12	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
13	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
14	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
15	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
16	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
17	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
18	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
19	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
20	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
21	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
22	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
23	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
24	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
25	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
26	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
27	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
28	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
29	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
30	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
31	-6.608	1.98	0.540	-4.683	1.980	1	0.540	0.27	2.52
<b>Total (AF)</b>	<b>211.66</b>	<b>59.76</b>	<b>5.30</b>	<b>-146.85</b>	<b>59.76</b>	<b>59.70</b>	<b>5.30</b>	<b>5.30</b>	<b>65.00</b>

**Table 2**

<i>December 2023</i>	<b>Last Priority Served From Direct Flow</b>	<b>District 20 Ditch / Reservoir Being Served</b>	<b>Max CFS in Priority During Forbearance</b>
<b>1</b>		Rio Grande Compact	0
<b>2</b>		Rio Grande Compact	0
<b>3</b>		Rio Grande Compact	0
<b>4</b>		Rio Grande Compact	0
<b>5</b>		Rio Grande Compact	0
<b>6</b>		Rio Grande Compact	0
<b>7</b>		Rio Grande Compact	0
<b>8</b>		Rio Grande Compact	0
<b>9</b>		Rio Grande Compact	0
<b>10</b>		Rio Grande Compact	0
<b>11</b>		Rio Grande Compact	0
<b>12</b>		Rio Grande Compact	0
<b>13</b>		Rio Grande Compact	0
<b>14</b>		Rio Grande Compact	0
<b>15</b>		Rio Grande Compact	0
<b>16</b>		Rio Grande Compact	0
<b>17</b>		Rio Grande Compact	0
<b>18</b>		Rio Grande Compact	0
<b>19</b>		Rio Grande Compact	0
<b>20</b>		Rio Grande Compact	0
<b>21</b>		Rio Grande Compact	0
<b>22</b>		Rio Grande Compact	0
<b>23</b>		Rio Grande Compact	0
<b>24</b>		Rio Grande Compact	0
<b>25</b>		Rio Grande Compact	0
<b>26</b>		Rio Grande Compact	0
<b>27</b>		Rio Grande Compact	0
<b>28</b>		Rio Grande Compact	0
<b>29</b>		Rio Grande Compact	0
<b>30</b>		Rio Grande Compact	0
<b>31</b>		Rio Grande Compact	0

**Contact person responsible for the operation and accounting for Subdistrict No. 1:**

Taylor Chick  
Program Manager, RGWCD

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